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FIG . 1

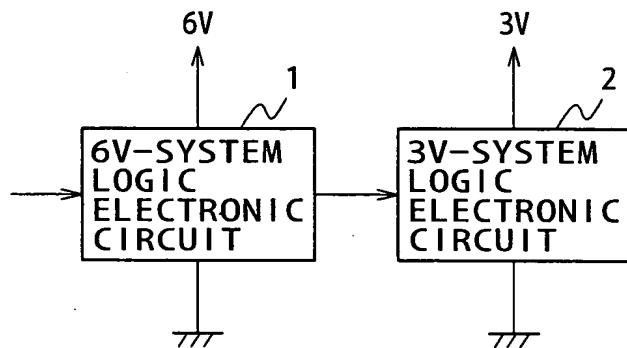
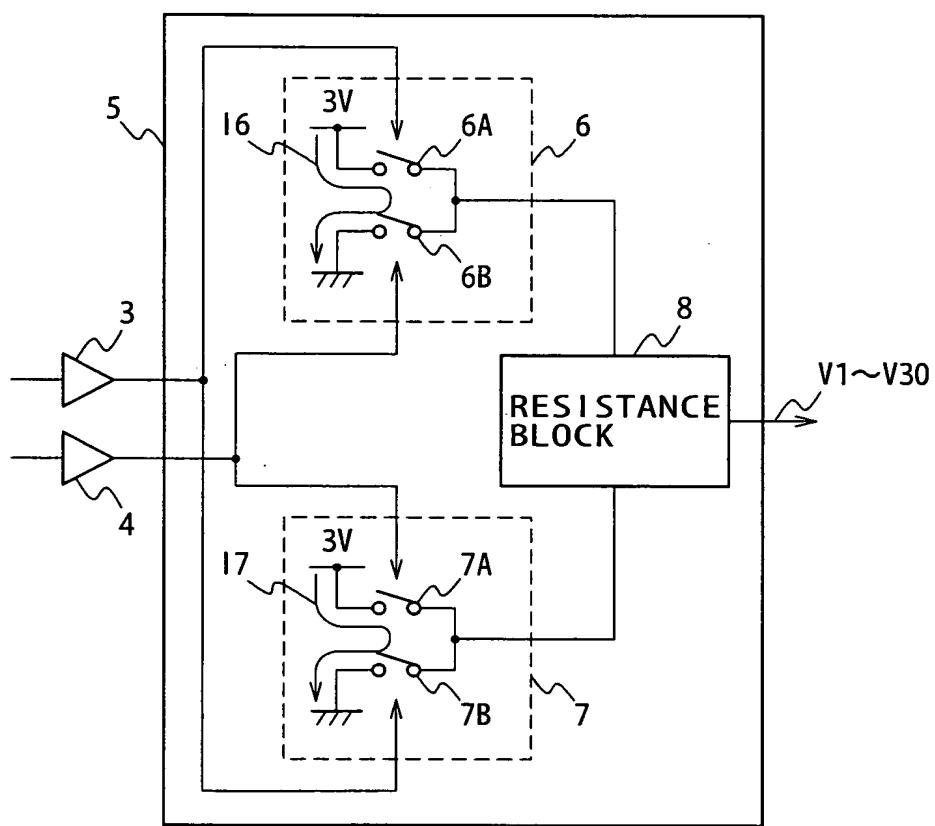
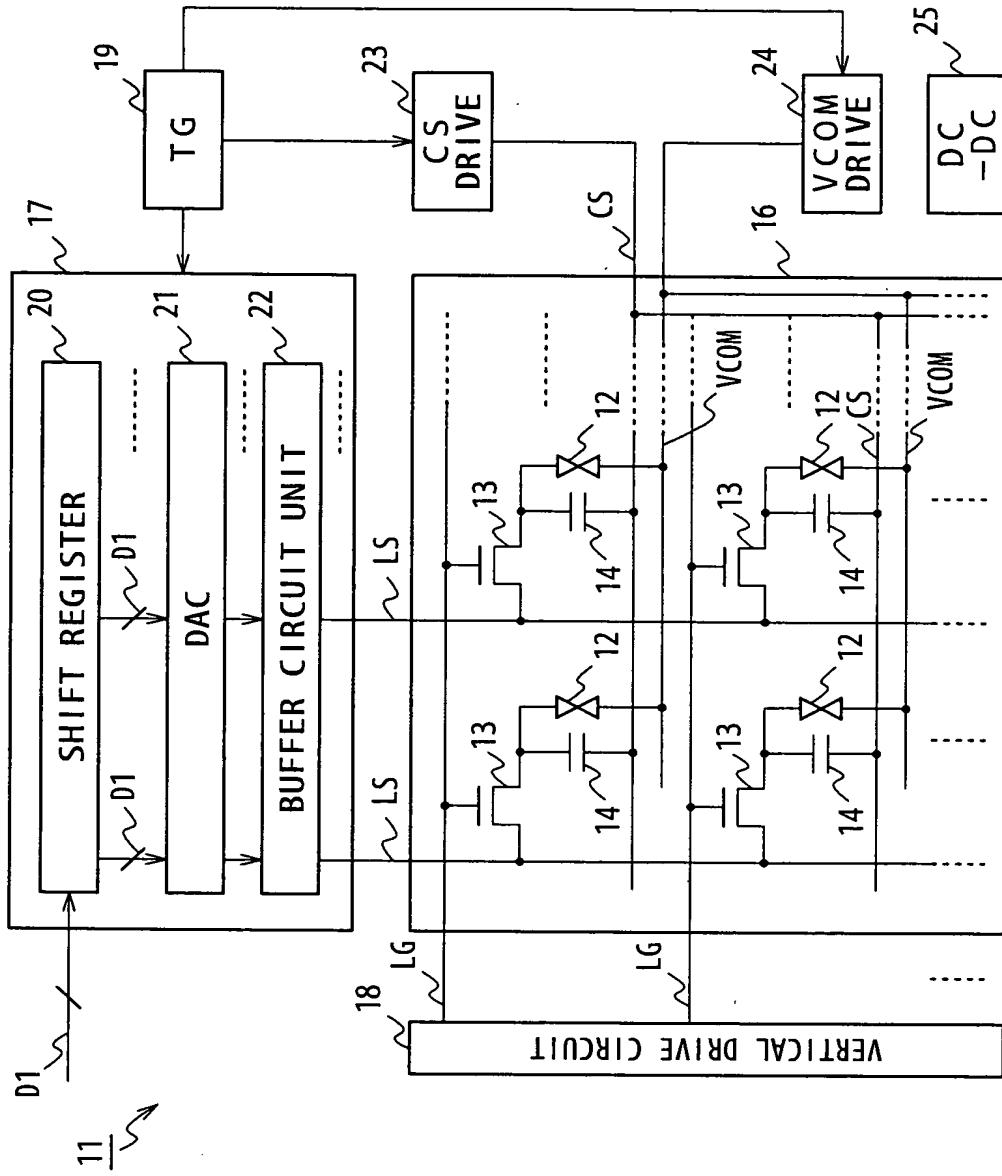


FIG . 2



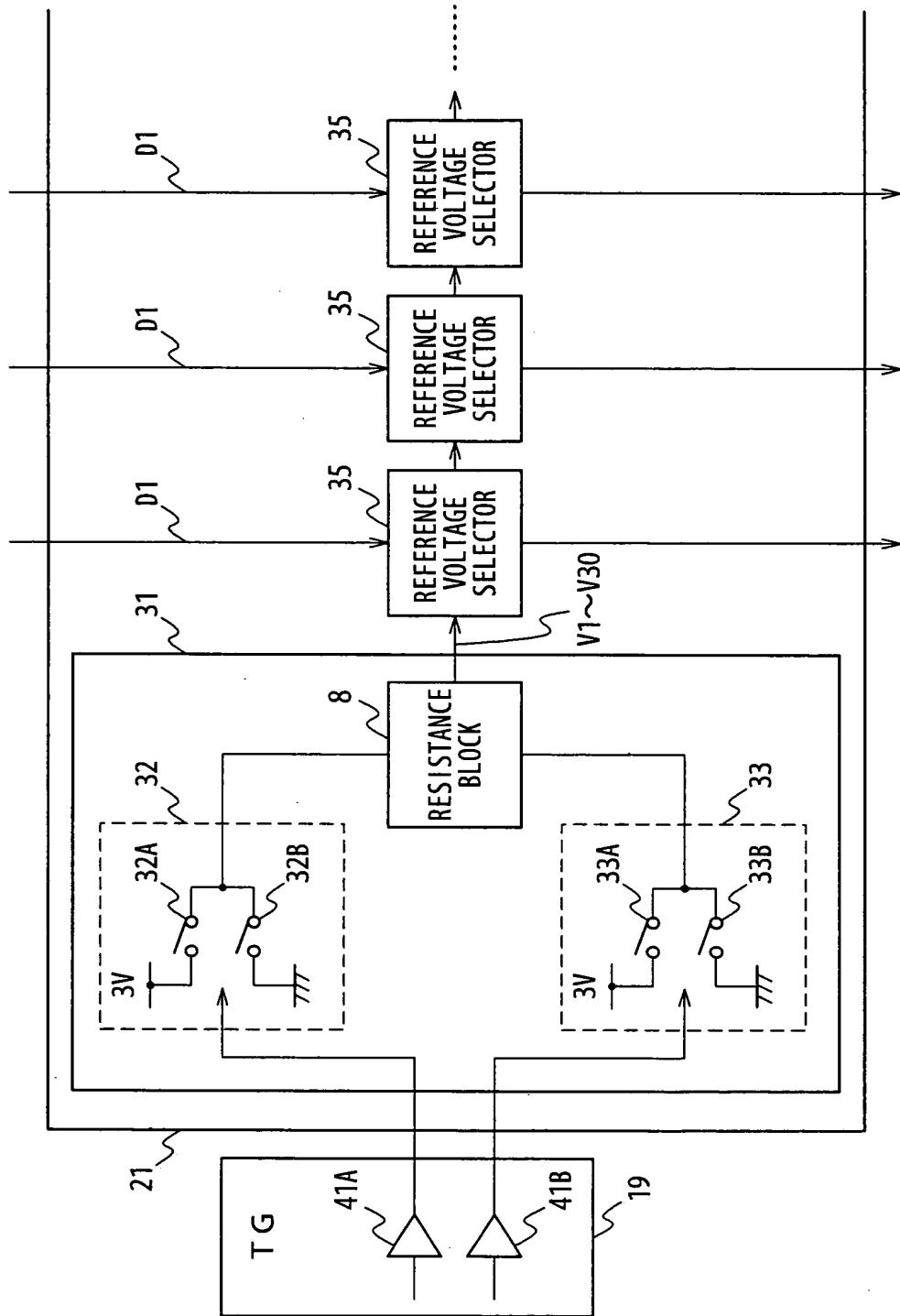
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FIG. 3



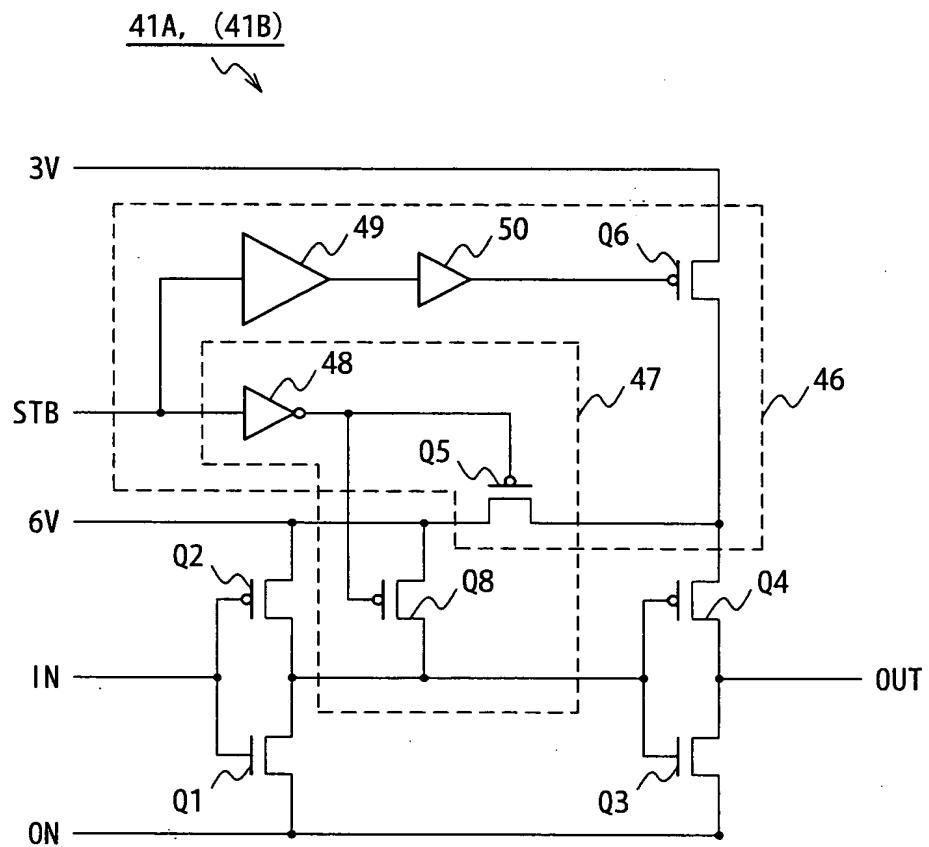
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FIG. 4



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## FIG. 5



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FIG. 6

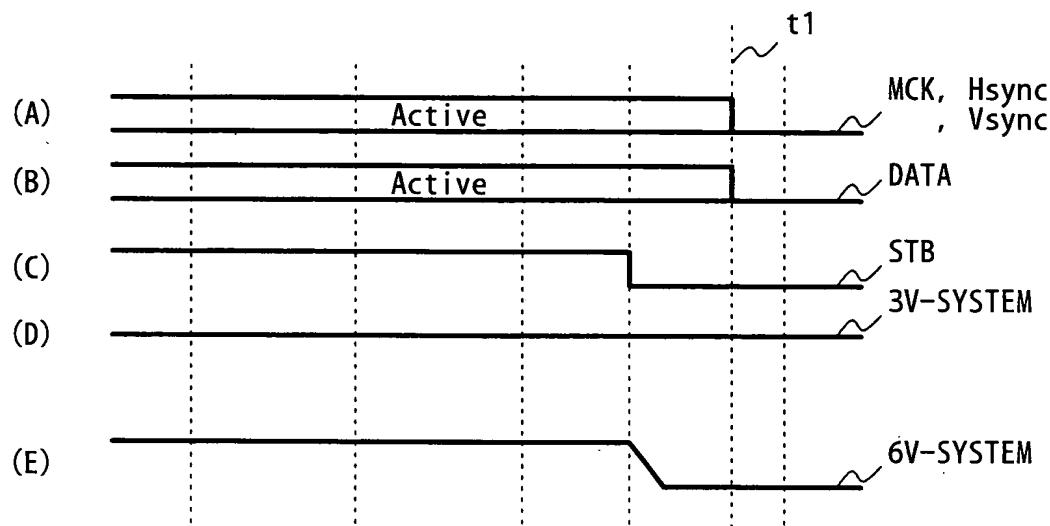
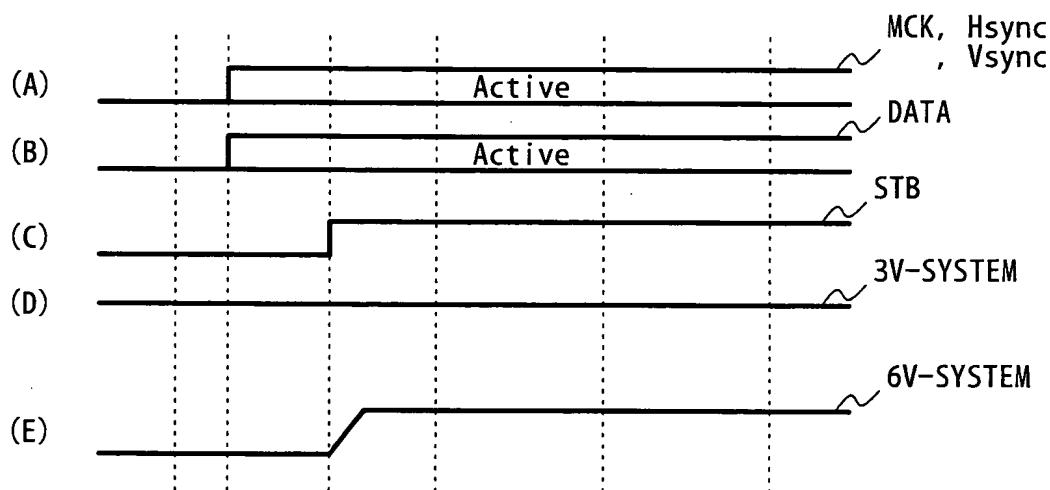


FIG. 7



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FIG . 8

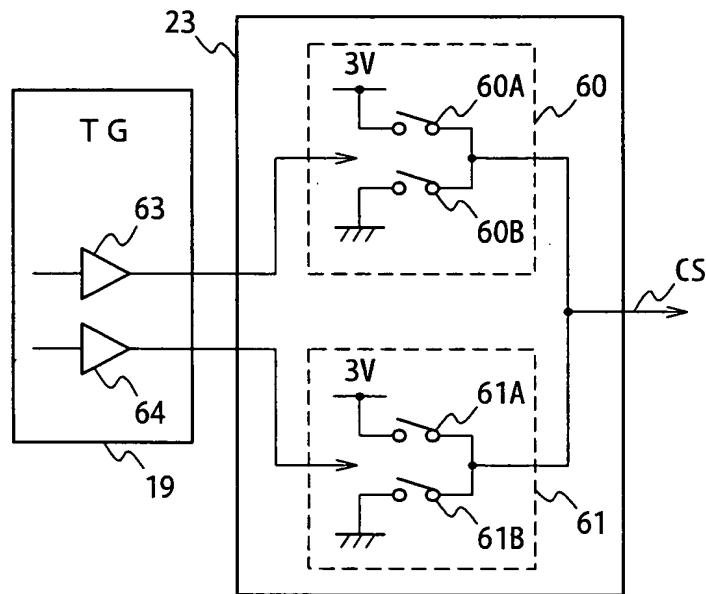
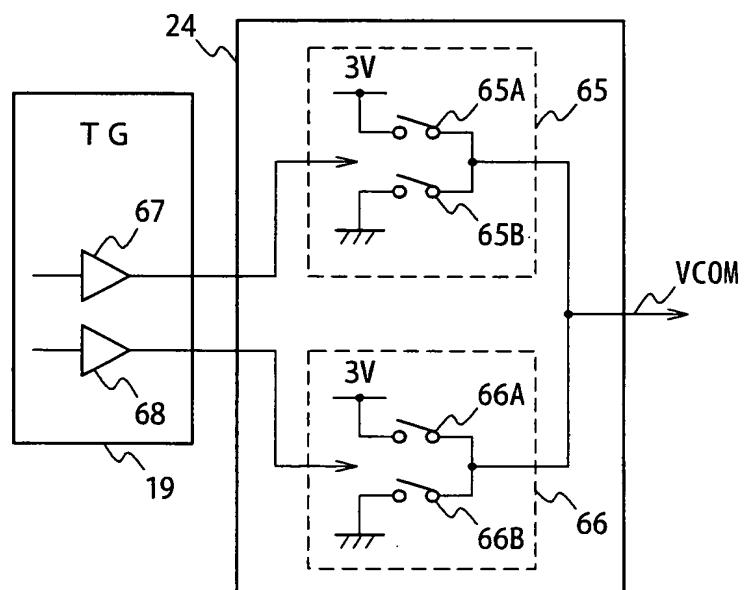


FIG . 9



**Description of Reference Numerals**

5    1, 2.....electronic circuit, 3, 4, 41A, 41B, 50, 63, 64, 67,  
68.....buffer circuit, 5, 31.....reference voltage generating  
circuit, 6, 6A, 6B, 7, 7A, 7B, 32, 32A, 32B, 33, 33A, 33B, 60,  
60A, 60B, 61, 61A, 61B, 65, 65A, 65B, 66, 66A, 66B.....switch  
circuit, 8.....resistance block, 11.....liquid crystal display  
10   apparatus, 12.....liquid crystal cell, 13, Q1 to Q8.....transistor,  
14.....storage capacitor, 16.....display unit, 17.....horizontal  
drive circuit, 18.....vertical drive circuit, 19.....timing  
generating circuit, 20.....shift register, 21..... digital-analog  
conversion circuit, 22.....buffer circuit unit, 23.....CS drive  
15   circuit, 24.....VCOM drive circuit, 25.....DC-DC converter,  
31.....reference voltage generating circuit, 35.....reference  
voltage selector, 46.....power supply switching circuit,  
47.....level setting circuit, 48.....inverter, 49.....level shift  
circuit